

## <u>Process for generating a reference relationship</u> information from a digital document to geometry data

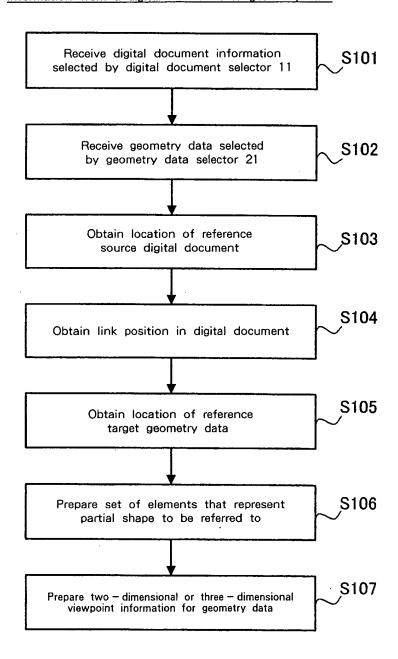
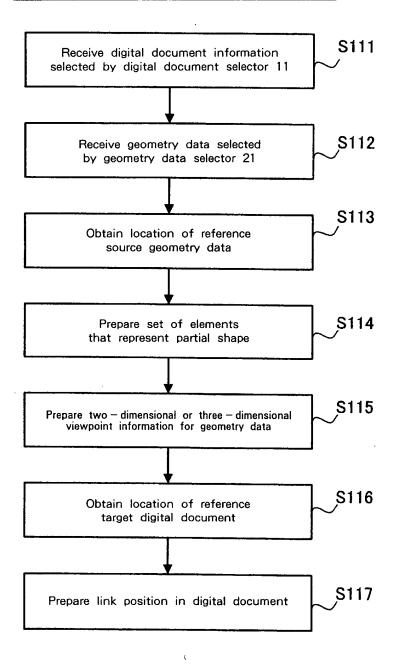


Fig. 2

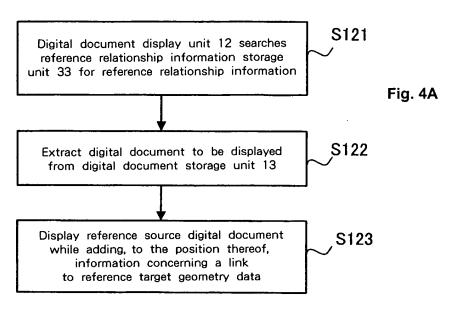
JP9 - 2000 - 0002 - US1 3/11

### Process for generating a reference relationship information from geometry data to a digital document

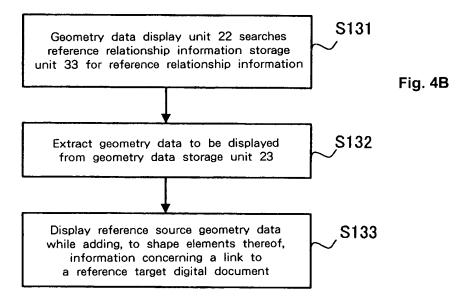


JP9 - 2000 - 0002 - US1

#### (a) Process for displaying digital document

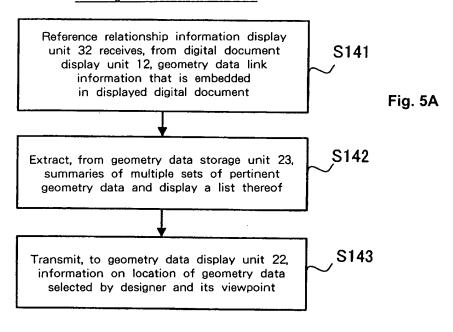


#### (b) Process for displaying geometry data

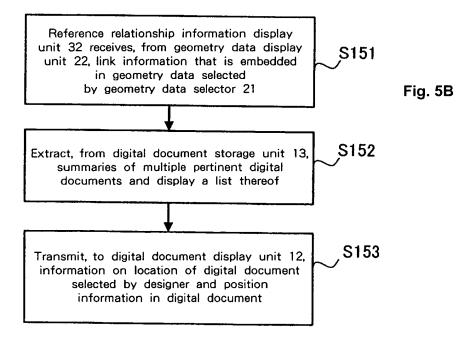


# JP9 - 2000 - 0002 - US1

#### (a) Process for displaying geometry data that digital document refers to

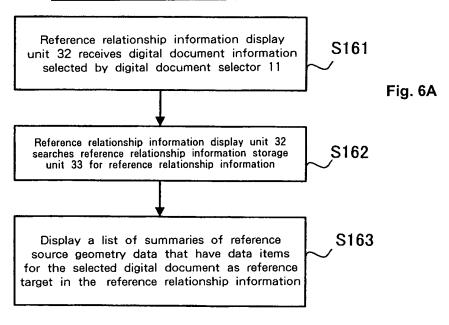


#### (b) Process for displaying digital document that geometry data refer to

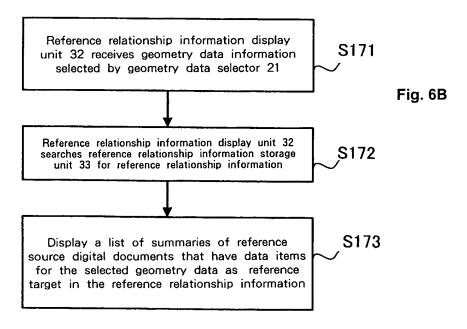


# JP9 - 2000 - 0002 - US1 6/11

## (a) Process for displaying geometry data that refer to a digital document



# (b) Process for displaying a digital document that refers to geometry data



JP9 - 2000 - 0002 - US1 7/11

Fig. 7

(a) Reference relationship information in geometry data that refers to a digital document

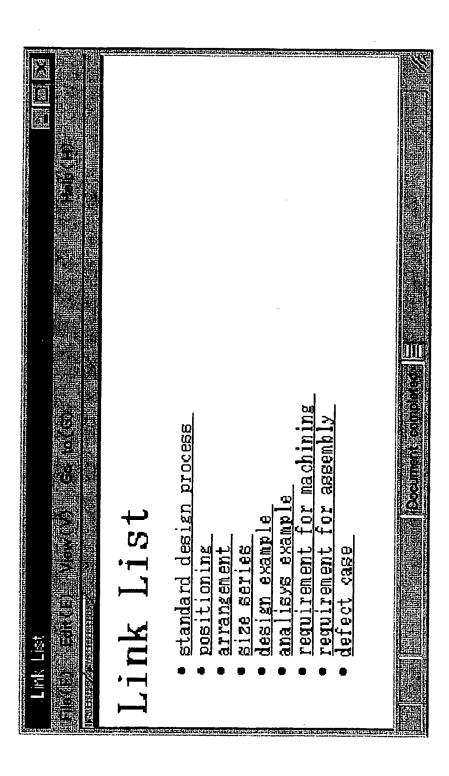
Reference frequency		
Refe	-	-
Creator	A. O.	. O.
Creation date	99/08/20	99/08/21
Reference target position	n1	n2
Reference target digital document	D1 .	D1
Reference source viewpoint information	(100,100) (00),(0,0 (0),100)	(100,100)) (0,0),(0,0) (0,100)
Reference source geometrical element	[1]	{t1}
Reference source geometry data	P1	<u>r</u>
	Fig. 8A	

(b) Reference relationship information in a digital document that refers to geometry data

Reference source digital document	Reference source position	Reference target geometry data	Reference target geometrical element	Reference target viewpoint information	Creation date	Creator	Reference frequency
	n2	P1	{ <del>f</del> 4}	((100,100 ,100),(0,0 ,0),100)	99/08/20	A. O.	-

Fig. 8B

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# The size and shape of a gate

cut out, a gate need only be formed on the model side, and may be cut at the thin The size of a gate is determined depending on the material that is used or the size and because of the finishing process performed for the gate. However, if the gate is too small, extra pressure is required, and a filling shortage may occur. Thus, as more the depth, and the length of the gate (called a land) should be approximately 1 to 2. In order to prevent a model from being chipped off while a gate is being well as the runner, a gate when processed must have a comparatively small size but a gate should be as small as possible because of the hardening that is promoted frequently employed for a standard gate. The width of the gate should be twice or of a model, but like runners, it tends to be determined empirically. Generally speaking due to a rise in temperature that is caused by friction resistance during injection, may be expanded to an appropriate size. Generally, a depth of 0.5 to 1 is most portion thereof that is furthest from the model.

202

Graphics

Table